

Abstract

**An Optoelectronic Assembly**

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An optoelectronic assembly (300) includes a laser (102) for emitting light along a main optical path. Beam splitters (110, 114) split a proportion of light from the main optical path and the split light is guided by optical light guides (310) to a photodiode array (302). The light guides (310) are mouldable and substantially rigid and can be co fabricated as a single assembly including  
10 fiducials to facilitate positioning on a substrate (124) of the assembly (300). By having the array (302) adjacent the periphery of the substrate (124), wirebonds (308) need only be provided directly from the array (302) to a feed-through (130), and electrical tracks on the substrate and ceramic blocks for mounting  
15 the photodiodes are eliminated, as is individual placement of the ceramic blocks on the substrate.

FIG. 3